

CURRICULUM VITAE

First Name: **Vassilis**
Last Name: **Aidinis**
Place of birth: Athens, Greece
Date of birth: 30/11/1964
Nationality: Hellenic
Gender: Male
Marital status: Married, two daughters
Address: Division of Immunology, Biomedical Sciences Research Center “Alexander Fleming”, 34 Al. Fleming, 16672 Athens, Greece.
Tel: (30) 210 965438; Fax: (30) 210 9654210
E-mail: V.Aidinis@Fleming.gr
Web page : <http://www.fleming.gr/en/investigators/Aidinis/index.html>

Education and Degrees

- 1982-1987: Undergraduate student at the Department of Biology, University of Patras, Patra, Hellas. Diploma (BSc) in Biology.
- 1988-1994: Graduate student at the Center of Biological Research and Biotechnology, National Hellenic Research Foundation, Athens, Hellas. PhD Diploma in Molecular Biology, Biology Department, University of Athens, Athens, Hellas.
- 1994-1996: Research Associate, in the context of the 23-months mandatory military service, at the laboratory of Surgical Pathology, Naval Hospital of Athens.
- 1996-1999: Post Doctoral Research Associate at Mount Sinai Medical School, University of New York and Howard Hughes Medical Institute, NYC, USA
- 1999-2000: Post Doctoral Research Associate at Hellenic Pasteur Institute, Athens, Greece.

Research activities

- 1986-1987: **Diploma thesis** on “Heat shock proteins of *Drosophila melanogaster*, *Ceratitidis capitata* and *Aspergillus nidulans*. A comparison”. University of Patras, Biology Department, Laboratory of Genetics, Cell Biology and Differentiation.
- 1987: **Visiting scientist** at the Laboratory of Genetic Biochemistry at the Necker Hospital, Paris. Work on the desegregation of the human chromosome 21.
- 1988-1994: **Ph.D. thesis** work at the National Hellenic Research Foundation on “Immunochemical identification and characterization of a novel nuclear RNP”.

- 1991: **Visiting scientist** at the Laboratory of Biochemistry, University of Nijmegen, Nijmegen, The Netherlands. Recipient of an **EMBO short-term fellowship**. Work on the cloning of a novel RNP protein.
- 1994-1996: **Research Associate**, in the context of the 23-months mandatory military service, at the laboratory of Surgical Pathology, Naval Hospital of Athens. Work on identification of possible prognostic and/or diagnostic markers of Breast Cancer using RT-PCR and immunocytochemistry.
- 1996-1999: **Research Associate** at the Ruttenberg Cancer Center, Mount Sinai School of Medicine, New York University, and **Howard Hughes Medical Institute**, New York City, NY, USA. Work on the biochemistry of V(D)J recombination.
- 1999-2000: **Research Associate** at the Laboratory of Molecular Genetics, Hellenic Pasteur Institute, Athens, Greece. Work on the Discovery of novel genes and/or pathways in the development of Rheumatoid Arthritis, using animal models, Differential Display PCR and DNA microarrays.
- 2000: **Visiting Scientist** at the laboratory of TAGC, INSERM/CNRS, University of Marseille at Luminy, France. Wet lab training on nylon DNA microarrays.
- 2000: Appointed (12/12/2000) as **Researcher grade C** (eq. Assistant Professor, tenure track) at the Institute of Immunology, Biomedical Sciences Research Center “Alexander Fleming”, Vari/Athens, Greece.
- 2001: **Visiting Scientist** at the laboratory of Genome Science, Genomic Exploration Research Group, RIKEN, Yokohama/Japan. Wet lab training on glass cDNA microarrays.
- 2002: **Visiting scientist**, recipient of an **EMBO short term fellowship**, at the Ludwig Institute of Cancer Research, University of Uppsala, Sweden. Wet lab training on glass cDNA microarrays. Work on the expression profiling of an animal model of Rheumatoid Arthritis.
- 2006: Appointed as **Researcher grade B** (eq. Associate Professor, tenure) at the Institute of Immunology, Biomedical Sciences Research Center “Alexander Fleming”, Athens, Greece.
- 2012: Appointed as **Researcher grade A** (eq. Full Professor) at the Institute of Immunology, Biomedical Sciences Research Center “Alexander Fleming”, Athens, Greece.

Academic activities

- He has supervised 7 Ph.D students, 10 Master students and 8 diploma students (Hyperlink [Dissertations and theses](#)).
- He is a lecturer in several post graduate master courses in Greece
- He has been invited to present his work to a plethora of conferences and academic institutes.
- He has served as a reviewer in >38 scientific journals, as well as in the Faculty of F1000.

- He has served as an evaluator of national and international grant proposals: ΓΓΕΤ, ΙΚΥ, ΕΑΙΔΕΚ, Alliance National de la Recherche (ANR), British Lung Foundation, German-Israeli Foundation, Netherland Organization for Scientific Research (NWO), European commission/Marie Curie.

Other activities

- He pioneered the use of DNA microarrays and related bioinformatic tools and set up the first expression profiling service unit in Greece.
- He is a co-founder of [Biomedcode Hellas](#), a Fleming spin-off for preclinical evaluation studies and novel drug development and he has applied for two patents.
- He is a founding member of the of the Scientific Society for Rare Diseases & Orphan Drugs ([SSRDOD](#)).
- He has supervised the creation of several [mouse databases](#), in the context of various international collaborations aiming to promote mouse database functionalities and interoperability.
- He has signed >21 material transfer agreements for proprietary materials (genetically modified mice and monoclonal antibodies)
- His work provided the scientific proof of principle for the ongoing [clinical trials](#) on ATX inhibition in IPF patients.

Funding (Hyperlinks: [Funding](#))

- Six Europeans and eleven Greek competitive research grants of a total budget >39000000€
- 4 research contracts/agreements with the international pharmaceutical industry.

Publicity (Hyperlinks: [In the news](#))

Publications (Hyperlinks: [PubMed](#), [Google Scholar](#), [Fleming](#))

1. **Aidinis, V.**, Dangli, A., Makrinos, P., Patrino-Georgoula, M., Sekeris, C.E. and Guialis, A. (1990). Immunochemical identification of a novel nuclear RNP complex of 70-110S from rat liver. In “*Nuclear structure and function*”, Ed. I.B. Zbarsky and J.R. Harris, Plenum Press, New York, 265-272.
2. Manousakis, M., Kistis, K.G., Liu, X., **Aidinis, V.**, Guialis, A. and Moutsopoulos, H.M. (1993). Detection of anti-RO (SSA) antibodies in autoimmune diseases: comparison of five methods. *Br. J. Rheum.* 32, 449-455.
3. Guialis, A., Patrino-Georgoula, M., **Aidinis, V.**, Sekeris, C.E. and Moutsopoulos, H.M. (1994). Anti-5S RNP antibody levels correlate with disease activity in a patient with SLE syndrome. *Clin. Exp. Immunol.* 95, 385-389.

4. **Aidinis, V.**, Sekeris, C.E. and Guialis, A. (1995). Two immunologically related polypeptides of 72/74 KD specify a novel 70-110S heterogeneous nuclear RNP. *Nucl. Acid Res.* 23(14): 2742-2753.
5. Manousakis, M., Kistis, K.G., **Aidinis, V.**, Guialis, A. and Moutsopoulos, H.M. (1995). Detection of of Human-specific anti-La (SSB) antibodies in patients with Rheumatoid Arthritis. *J Autoimm.* 8: 959-969
6. Santagata, S., **Aidinis, V.** and Spanopoulou, S. (1998). The effect of Me⁺ cofactors at the initial stages of V(D)J recombination. *J. Biol. Chem.* 273 (26):16325-16331.
7. **Aidinis, V.**, Bonaldi, T., Beltrame, M., Santagata, S., Bianchi, M.E. and Spanopoulou, E. (1999). The RAG1 homeodomain recruits HMG1 and HMG2 to facilitate Recombination Signal Sequence binding and to enhance the intrinsic DNA-bending activity of RAG1-RAG2. *Mol. Cell. Biol.* 19(10):6532-6542.
8. **Aidinis, V.**, Diaz, D.C., Gomez, C.A., Bachattaraya, D., Spanopoulou, E. and Sanatagata, S. E. (2000). Definition of minimal domains of interaction within the recombination-activating genes 1 and 2 recombinase complex. *J. Immunol.* 164(11):5826-5832.
9. **Aidinis, V.**, Plows, D., Haralambous, S., Armaka, M., Papadopoulos, P., Kanaki, M.Z., Koczan, D., Thiesen, H.J. and Kollias, G. (2003). Functional analysis of an arthritogenic synovial fibroblast. *Arthritis Res. & Ther.* 5(3):140-157
10. Carninci, P., Waki, K., Shiraki, Konno, H., Shibata, K., Itoh, M., Aizawa, K., Arakawa, T., Ishii, Y., Sasaki, Y., Bono, H., Kondo, S., Sugahara, Y., Saito, R., Osato, N., Fukuda, S., Sato, K., Watahiki, K., Hirozane-Kishikawa, T., Nakamura, M., Shibata, Y., Yasunishi, A., Kikuchi, N., Yoshiki, A., Kusakabe, M., Gustincich, S., Beisel, K., Pavan, W., **Aidinis, V.**, Nakagawara, A., Held, W., Iwata, H., Kono, T., Nakauchi, H., Lyons, P., Wells, C., Hume, D., Fagiolini, M., Hensch, T., Brinkmeier, M., Camper, S., Muramatsu, M., Okazaki, Y., Kawai, Y and Hayashizaki, Y. (2003). Targeting a complex transcriptome: The construction of the mouse full-length cDNA encyclopedia. *Genome Res.* 13:1273-89.
11. Thwin, M.-M., Douni, E., **Aidinis, V.**, Kollias, G., Sato, K. and Gopalakrishnakone, P. (2004). Modulation of arthritis in transgenic mice by a peptide antagonist of secretory phospholipase A2. *Arthritis Res. & Ther.* 6(3): R282-94.
12. The **FANTOM Consortium** (2005). The transcriptional landscape of the mammalian Genome. *Science.* 309(5740):1559-63
13. **Aidinis V.**, Carninci P., Armaka M., Witke W., Harokopos V., Pavelka N., Koczan D., Argyropoulos C., Thwin M., Möller S., Gopalakrishnakone P., Ricciardi-Castagnoli P., Thiesen H.J., Hayashizaki Y. and Kollias G. (2005.) Cytoskeletal rearrangements in synovial fibroblasts as a novel pathophysiological determinant of modeled Rheumatoid Arthritis. *PLoS Genetics*, 1(4): e48
14. Argyropoulos C, Nikiforidis G., Moustakas A., Kollias G. and **Aidinis V.** (2006). Operational criteria for selecting a cDNA microarray data normalization algorithm. *Oncol. Rep.*, 15:983-996.

15. Oikonomou N., Harokopos V., Zalevsky J., Valavanis C., Kotanidou A., Szymkowski D.E., Kollias G. and **Aidinis V.** (2006). Soluble TNF Mediates the Transition from Pulmonary Inflammation to Fibrosis. *PLoS One*. Dec 27, e108.
16. The **Mouse Phenotype Database Integration Consortium.** (2007). Integration of mouse phenome data resources. *Mamm Genome*. 2007 Mar;18(3):157-63
17. Tzouvelekis A, Harokopos V., Paparountas T., Oikonomou N., Chatziioannou A., Vilaras G., Tsiambas E., Karameris A., Bouros D. and **Aidinis V.** (2007). Comparative Expression Profiling in Pulmonary Fibrosis Reveals a Primary Role of Hypoxia Inducible Factor 1a in Disease Pathogenesis. *Am J Respir Crit Care Med*. 2007 Dec 1;176(11):1108-19.
18. **Aidinis V**, Chandras C, Manoloukos M, Thanassopoulou A, Kranidioti K, Armaka M, Douni E, Kontoyiannis DL, Zouberakis M, Kollias G; Mugen NoE consortium. (2008) MUGEN mouse database; animal models of human immunological diseases. *Nucleic Acids Res*. 36 (Database issue): D1048-54.
19. Vasilopoulos Y, Gkretsi V, Armaka M, **Aidinis V**, Kollias G. (2007). Actin cytoskeleton dynamics linked to synovial fibroblast activation as a novel pathogenic principle in TNF-driven arthritis. *Ann Rheum Dis*. 66 Suppl 3: iii23-8.
20. Maglogiannis .I, Sarimveis H.,Kiranoudis C., Chatziioannou A.A., Oikonomou N. and **Aidinis V.** (2008). Radial Basis Function neural networks classification for the recognition of idiopathic pulmonary fibrosis in microscopic images. *IEEE Trans Inf Technol Biomed*. 2008 Jan;12(1):42-54.
21. Maniatis N, Harokopos V, Thanassopoulou A, Oikonomou N, Mersinias V, Witke W, Orfanos SE, Armaganidis A, Roussos C, Kotanidou A and **Aidinis V** (2009). A critical role for Gelsolin in Ventilator-Induced Lung Injury. *Am J Respir Cell Mol Biol* 41(4): 426-32.
22. Oikonomou N, Thanasopoulou A, Tzouvelekis A, Harokopos V, Paparountas T, Nikitopoulou I, Witke W, Karameris A, Kotanidou A, Bouros D and **Aidinis V.** (2009). Gelsolin mediated epithelial apoptosis is a primary pathologic insult in pulmonary inflammation and fibrosis. *Thorax*. 64(6): 467-75
23. Tzouvelekis A, **Aidinis V**, Harokopos V, Karameris A, Zacharis G, Mikroulis D, Konstantinou F, Steiropoulos P, Sotiriou I, Froudarakis M, Pneumatikos I, Tringidou R, Bouros D. (2009). Down-regulation of the inhibitor of growth family member 4 (ING4) in different forms of pulmonary fibrosis. *Respir Res*. Feb 27;10:14
24. Katsanou V, Milatos S, Yiakouvaki A, Sgantzis N, Kotsoni A, Alexiou M, Harokopos V, **Aidinis V**, Hemberger M, Kontoyiannis DL. (2009). The RNA-binding protein Elavl1/HuR is essential for placental branching morphogenesis and embryonic development. *Mol Cell Biol*. May;29(10):2762-76.
25. Kotsianidis I, Nakou E, Bouchliou I, Tzouvelekis A, Spanoudakis E, Steiropoulos P, Sotiriou I, **Aidinis V.**, Margaritis D, Tsatalas C, Bouros D., 2009, "Global Impairment of CD4+CD25+FOXP3+ T Regulatory Cells in Idiopathic Pulmonary Fibrosis.", *Am J Respir Crit Care Med.*, 179(12):1121-30.
26. Christina Chandras, Thomas Weaver, Michael Zouberakis, Damian Smedley, Klaus Schughart, Nadia Rosenthal, John M. Hancock, George Kollias, Paul N. Schofield, and

- Aidinis V.**, 2009, "Models for financial sustainability of biological databases and resources ", *Database* (2009), Vol. 2009: bap017.
27. Morgan H, Beck T, Blake A, Gates H, Adams N, Debouzy G, Leblanc S, Lengger C, Maier H, Melvin D, Meziane H, Richardson D, Wells S, White J, Wood J, **EUMODIC Consortium** , de Angelis MH, Brown SD, Hancock JM, Mallon AM., 2010, "EuroPhenome: a repository for high-throughput mouse phenotyping data.", *Nucleic Acids Res*, 2010 Jan;38 (Database issue):, D577-85.
 28. Fotopoulou S, Oikonomou N, Grigorieva E, Nikitopoulou I, Paparountas T, Thanassopoulou A, Zhao Z, Xu Y, Kontoyiannis DL, Remboutsika E, **Aidinis V.** 2010, "ATX expression and LPA signalling are vital for the development of the nervous system.", *Dev Biol.*, Mar 15;339(2):451-64.
 29. Xirakia C, Koltsida O, Stavropoulos A, Thanassopoulou A, **Aidinis V**, Sideras P, Andreakos E. 2010. "Toll-like receptor 7-triggered immune response in the lung mediates acute and long-lasting suppression of experimental asthma." *Am J Respir Crit Care Med.* Jun 1;181(11):1207-16.
 30. Chatzigeorgiou A, Harokopos V, Mylona-Karagianni C, Tsouvalas E, **Aidinis V**, Kamper EF. 2010. "The pattern of inflammatory/anti-inflammatory cytokines and chemokines in type 1 diabetic patients over time." *Ann Med.* Sep;42(6):426-38.
 31. Zouberakis M, Chandras C, Swertz M, Smedley D, Gruenberger M, Bard J, Schughart K, Rosenthal N, Hancock JM, Schofield PN, Kollias G, **Aidinis V.** 2010. "Mouse Resource Browser--a database of mouse databases." *Database* (Oxford). Jul 6;2010.
 32. Smedley D, Schofield P, Chen CK, **Aidinis V**, Ainali C, Bard J, Balling R, Birney E, Blake A, Bongcam-Rudloff E, Brookes AJ, Cesareni G, Chandras C, Eppig J, Flicek P, Gkoutos G, Greenaway S, Gruenberger M, Hériché JK, Lyall A, Mallon AM, Muddyman D, Reisinger F, Ringwald M, Rosenthal N, Schughart K, Swertz M, Thorisson GA, Zouberakis M, Hancock JM. 2010. "Finding and sharing: new approaches to registries of databases and services for the biomedical sciences." *Database* (Oxford). Jul 6; baq014.
 33. Schofield PN, Eppig J, Huala E, de Angelis MH, Harvey M, Davidson D, Weaver T, Brown S, Smedley D, Rosenthal N, Schughart K, **Aidinis V**, Tocchini-Valentini G, Hancock JM. 2010, "Research funding. Sustaining the data and bioresource commons.", *Science*, 2010 Oct 29; 330(6004):592-3.
 34. Mouratis MA, **Aidinis V.** 2011, "Modeling pulmonary fibrosis with bleomycin.", *Curr Opin Pulm Med.*, 2011 Sep; 17(5):355-61.
 35. Nikitopoulou I, Oikonomou N, Karouzakis E, Sevastou I, Nikolaidou-Katsaridou N, Zhao Z, Mersinias V, Armaka M, Xu Y, Masu M, Mills GB, Gay S, Kollias G, **Aidinis V.** 2012, "Autotaxin expression from synovial fibroblasts is essential for the pathogenesis of modeled arthritis.", *J Exp Med.*, 2012 May 7; 209(5):925-33.
 36. Chandras C, Zouberakis M, Salimova E, Smedley D, Rosenthal N, **Aidinis V.** 2012, "CreZOO--the European virtual repository of Cre and other targeted conditional driver strains.", *Database* (Oxford), 2012 Jun 21; 2012:bas029.
 37. Oikonomou N, Mouratis MA, Tzouveleakis A, Kaffe E, Valavanis C, Vilaras G, Karameris A, Prestwich GD, Bouros D, **Aidinis V.** 2012, "Pulmonary Autotaxin

- Expression Contributes to the Pathogenesis of Pulmonary Fibrosis.", *Am J Respir Cell Mol Biol*, 2012 Nov;47(5):566-74.
38. Paparountas T, Nikolaidou-Katsaridou N, Rustici G, **Aidinis V**. 2012, "Data Mining and Meta-Analysis on DNA Microarray Data", *IJSBBT*, 1(3): 1-39.
 39. Sevastou I, Kaffe E., Mouratis M.-A. and **Aidinis V**. 2013. "Lysoglycerophospholipids in chronic inflammatory disorders", *BBA*, Jan; 1831(1):42-60.
 40. Nikitopoulou I, Kaffe E, Sevastou I, Sirioti I, Samiotaki M, Madan D, Prestwich GD, **Aidinis V**. 2013. A metabolically-stabilized phosphonate analog of lysophosphatidic Acid attenuates collagen-induced arthritis. *PLoS One*. 2013 Jul 29;8(7):e70941.
 41. Vassiliou AG, Maniatis NA, Orfanos SE, Mastora Z, Jahaj E, Paparountas T, Armaganidis A, Roussos C, **Aidinis V**, Kotanidou A. 2013. Induced expression and functional effects of Aquaporin-1 in human leukocytes in sepsis. *Crit Care*. 2013 Sep 12;17(5): R199.
 42. Park GY, Lee YG, Berdyshev E, Nyenhuis S, Du J, Fu P, Gorshkova IA, Li Y, Chung S, Karpurapu M, Deng J, Ranjan R, Xiao L, Jaffe HA, Corbridge SJ, Kelly EA, Jarjour NN, Chun J, Prestwich GD, Kaffe E, Ninou I, **Aidinis V**, Morris AJ, Smyth SS, Ackerman SJ, Natarajan V, Christman JW. 2013. Autotaxin production of Lysophosphatidic Acid Mediates Allergic Asthmatic Inflammation. *Am J Respir Crit Care Med*. 2013 Oct 15;188(8):928-40.
 43. Magkrioti C, **Aidinis V**. 2013. Autotaxin and lysophosphatidic acid signalling in lung pathophysiology. *World J Respirol*. 2013 November 28; 3(3): 77-103.
 44. Nikolaidis C, Bouros E, Tzouvelekis A, Drakopanagiotakis F, Ntoliou P, Kaltsas K, Boglou P, Anevlavis S, Steiropoulos P, Lambropoulou M, Mikroulis D, Kolios G, **Aidinis V**, Bouros D. 2014, "A biobank for Interstitial Lung Diseases according to the European Network EurIPF and BBMRI", *Pneumon*, vol 27(3) 209-213.
 45. Roulis M, Nikolaou C, Kotsaki E, Kaffe E, Karagianni N, Koliaraki V, Salpea K, Ragoussis J, **Aidinis V**, Martini E, Becker C, Herschman HR, Vetrano S, Danese S, Kollias G. 2014, "Intestinal myofibroblast-specific Tpl2-Cox-2-PGE2 pathway links innate sensing to epithelial homeostasis", *Proc Natl Acad Sci USA*., 2014 Oct 28;111(43):E4658-67.
 46. Barbayianni E, Kaffe E, **Aidinis V**, Kokotos G. 2015, "Autotaxin, a secreted lysophospholipase D, as a promising therapeutic target in chronic inflammation and cancer", *Prog Lipid Res.*, 2015 Apr;58:76-96.
 47. Greenman R, Gorelik A, Sapir T, Baumgart J, Zamor V, Segal-Salto M, Levin-Zaidman S, **Aidinis V**, Aoki J, Nitsch R, Vogt J, Reiner O. 2015, "Non-cell autonomous and non-catalytic activities of ATX in the developing brain", *Front Neurosci.*, 2015 Mar 4; 9:53
 48. Giannou AD, Marazioti A, Spella M, Kanellakis NI, Apostolopoulou H, Psallidas I, Prijovich ZM, Vreka M, Zazara DE, Lilis I, Papaleonidopoulos V, Kairi CA, Patmanidi AL, Giopanou I, Spiropoulou N, Harokopos V, **Aidinis V**, Spyrtos D, Telioussi S, Papadaki H, Taraviras S, Snyder LA, Eickelberg O, Kardamakis D, Iwakura Y, Feyerabend TB, Rodewald HR, Kalomenidis I, Blackwell TS, Agalioti T, Stathopoulos GT. 2015, "Mast cells mediate malignant pleural effusion formation.", *J Clin Invest.*, 2015 Jun;125(6):2317-34.

49. Mouratis MA, Magkrioti C, Oikonomou N, Katsifa A, Prestwich GD, Kaffe E, **Aidinis V**. 2015, "Autotaxin and Endotoxin-Induced Acute Lung Injury", *PLoS One*. 2015 Jul 21;10(7): e0133619.
50. Katsifa A, Kaffe E, Nikolaidou-Katsaridou N, Economides AN, Newbigging S, McKerlie C, **Aidinis V**. 2015, The Bulk of Autotaxin Activity Is Dispensable for Adult Mouse Life. *PLoS One*. 2015 Nov 16;10(11).
51. Filippou P, Antoniou C, Obata T, Van Der Kelen K, Harokopos V, Kanetis L, **Aidinis V**, Van Breusegem F, Fernie AR, Fotopoulos V. 2015. Kresoxim-methyl primes *Medicago truncatula* plants against abiotic stress factors via altered reactive oxygen and nitrogen species signalling leading to downstream transcriptional and metabolic readjustment. *J Exp Bot*. 2016 Mar;67(5):1259-74.
52. Vrontaki E, Melagraki G, Kaffe E, Mavromoustakos T, Kokotos G, **Aidinis V**, Afantitis A. 2016. Computer Aided Drug Design Approaches for Identification of Novel Autotaxin (ATX) Inhibitors. *Curr Med Chem*. 2016;23(17):1708-24.
53. Tzouvelekis A, Yu G, Lacks Lino Cardenas C, Herazo-Maya JD, Wang R, Woolard T, Zhang Y, Sakamoto K, Lee H, Yi JS, DeLuliis G, Xylourgidis N, Ahangari F, Lee PJ, **Aidinis V**, Herzog EL, Homer R, Bennett AM, Kaminski N. 2016, "SH2 Domain-containing Phosphatase-SHP-2 is a Novel Anti-fibrotic Regulator in Pulmonary Fibrosis", *Am J Respir Crit Care Med*. , 2017 Feb 15;195(4):500-514.
54. Tzouvelekis A, Tzilas V, Papiris S, **Aidinis V**, Bouros D. 2016, "Diagnostic and prognostic challenges in Idiopathic Pulmonary Fibrosis A patient "Q and A" approach", *Pulm Pharmacol Ther* 2017 Feb;42:21-24.
55. Kaffe E, Katsifa A, Xylourgidis N, Ninou I, Zannikou M, Harokopos V, Foka P, Dimitriadis A, Evangelou K, Moulas AN, Georgopoulou U, Gorgoulis VG, Dalekos GN, **Aidinis V**. 2016, "Hepatocyte Autotaxin expression promotes liver fibrosis and cancer", *Hepatology*, 2017 Apr;65(4):1369-1383.
56. Anas AA, Claushuis TAM, Mohan RA, Christoffels VM, **Aidinis V**, Florquin S, Van't Veer C, Hou B, de Vos AF, van der Poll T. 2017. "Epithelial Myeloid-Differentiation Factor 88 Is Dispensable during Klebsiella Pneumonia". *Am J Respir Cell Mol Biol*. 2017 May;56(5):648-656.
57. Tomos IP, Tzouvelekis A, **Aidinis V**, Manali ED, Bouros E, Bouros D, Papiris SA. 2017. "Extracellular matrix remodeling in idiopathic pulmonary fibrosis. It is the 'bed' that counts and not 'the sleepers'". *Expert Rev Respir Med*. 2017 Apr;11(4):299-309.
58. Karampitsakos T, Tzilas V, Tringidou R, Steiropoulos P, **Aidinis V**, Papiris SA, Bouros D, Tzouvelekis A. 2017. "Lung cancer in patients with idiopathic pulmonary fibrosis". *Pulm Pharmacol Ther*. 2017 Aug; 45:1-10.
59. Tzouvelekis A, Bouros D, **Aidinis V**. 2017. Biomarkers in Idiopathic Pulmonary Fibrosis: A RAGE-ing Bull in the Arena. *Ann Am Thorac Soc*. 2017 May;14(5):613-614.
60. Tashiro J, Rubio GA, Limper AH, Williams K, Elliot SJ, Ninou I, **Aidinis V**, Tzouvelekis A, Glassberg MK. 2017. "Exploring Animal Models That Resemble Idiopathic Pulmonary Fibrosis", *Front Med*, 2017 Jul 28;4:118.

61. Papaioannou O, Karampitsakos T, Barbayianni I, Chrysikos S, Xylourgidis N, Tzilas V, Bouros D, *Aidinis V*, Tzouvelekis A. "Metabolic Disorders in Chronic Lung Diseases." *Front Med* 2018 Jan 18; 4:246.
62. Nikolaou A, Ninou I, Kokotou MG, Kaffe E, Afantitis A, **Aidinis V**, Kokotos G. «Hydroxamic Acids Constitute a Novel Class of Autotaxin Inhibitors that Exhibit in Vivo Efficacy in a Pulmonary Fibrosis Model». *J Med Chem*. 2018 Apr 26;61(8):3697-3711.
63. Magkrioti C, Oikonomou N, Kaffe E, Mouratis MA, Xylourgidis N, Barbayianni I, Megadoukas P, Harokopos V, Valavanis C, Chun J, Kosma A, Stathopoulos GT, Bouros E, Bouros D, Syrigos KN, **Aidinis V**. 2018, "The autotaxin - lysophosphatidic acid axis promotes lung carcinogenesis", *Cancer Res.*, 2018 Jul 1;78(13):3634-3644.
64. Tzouvelekis A, Toonkel R, Karampitsakos T, Medapalli K, Ninou I, **Aidinis V**, Bouros D, Glassberg MK. "Mesenchymal Stem Cells for the Treatment of Idiopathic Pulmonary Fibrosis". *Front Med*. 2018 May 15; 5:142.
65. Ninou I, Magkrioti C, **Aidinis V**. "Autotaxin in Pathophysiology and Pulmonary Fibrosis". *Front Med*. 2018 Jun 13; 5:180.
66. D'Souza K, Nzirorera C, Cowie AM, Varghese GP, Trivedi P, Eichmann TO, Biswas D, Touaibia M, Morris AJ, **Aidinis V**, Kane DA, Pulinilkunnil T, Kienesberger PC. "Autotaxin-LPA signaling contributes to obesity-induced insulin resistance in muscle and impairs mitochondrial metabolism". *J Lipid Res*. 2018 Oct;59(10):1805-1817.
67. Ninou I, Kaffe E, Müller S, Budd DC, Stevenson CS, Ullmer C, **Aidinis V**. "Pharmacologic targeting of the ATX/LPA axis attenuates bleomycin-induced pulmonary fibrosis". *Pulm Pharmacol Ther*. 2018 Oct; 52:32-40.
68. Barbayianni I, Ninou I, Tzouvelekis A, **Aidinis V**. "Bleomycin Revisited: A Direct Comparison of the Intratracheal Micro-Spraying and the Oropharyngeal Aspiration Routes of Bleomycin Administration in Mice". *Front Med*. 2018 Sep 24; 5:269.
69. Tzilas V, Bouros E, Barbayianni I, Karampitsakos T, Kourtidou S, Ntassiou M, Ninou I, **Aidinis V**, Bouros D, Tzouvelekis A. "Vitamin D prevents experimental lung fibrosis and predicts survival in patients with idiopathic pulmonary fibrosis". *Pulm Pharmacol Ther*. 2019 Apr; 55:17-24.
70. Matralis AN, Afantitis A, **Aidinis V**. "Development and therapeutic potential of autotaxin small molecule inhibitors: From bench to advanced clinical trials". *Med Res Rev*. 2019 May; 39(3):976-1013.
71. Spella M, Lilis I, Pepe MA, Chen Y, Armaka M, Lamort AS, Zazara DE, Roumelioti F, Vreka M, Kanellakis NI, Wagner DE, Giannou AD, Armenis V, Arendt KA, Klotz LV, Toumpanakis D, Karavana V, Zakynthinos SG, Giopanou I, Marazioti A, **Aidinis V**, Sotillo R, Stathopoulos GT. "Club cells form lung adenocarcinomas and maintain the alveoli of adult mice". *Elife*. 2019 May 29;8.
72. Magkrioti C, Galaris A, Kanellopoulou P, Stylianaki EA, Kaffe E, **Aidinis V**. "Autotaxin and chronic inflammatory diseases". *J Autoimmun*. 2019 Aug 27:102327.
73. Xylourgidis N, Min K, Ahangari F, Yu G, Herazo-Maya JD, Karampitsakos T, **Aidinis V**, Binzenhöfer L, Bennett AM, Kaminski N, Tzouvelekis A. "Role of Mitogen activated-kinase (MAPK)-phosphatase (MKP)-5 in pulmonary fibrosis". *Am J Physiol Lung Cell Mol Physiol*. 2019 Sep 4.

74. Kaffe E, Magkrioti C, **Aidinis V**. Deregulated Lysophosphatidic Acid Metabolism and Signalling in Liver Cancer. *Cancers*. 2019 Oct 23;11(11). pii: E1626.
75. A Tzouvelekis, O Eickelberg, N Kaminski, D Bouros, V Aidinis. Pulmonary Fibrosis. 2019. *Frontiers Media SA*.

Google Scholar 09/12/2019

Citation indices	All	Since 2014
Citations	6641	3439
h-index	35	25
i10-index	58	46